

# Converting Colors

Hex(2D1F39)

Have a look what the booklet for  
Hex(2D1F39) contains.

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# Color

**Hex(2D1F39)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D1F39
RGB	45, 31, 57
RGB Percent	18%, 12%, 22%
CMY	0.8235, 0.8784, 0.7765
CMYK	0.21, 0.46, 0.00, 0.78
HSL	272°, 30%, 17%
HSV	272°, 46%, 22%
XYZ	2.3107, 1.8333, 4.1030
YIQ	38.1500, -0.0020, 11.0540

# Conversions

## Conversions Part 2

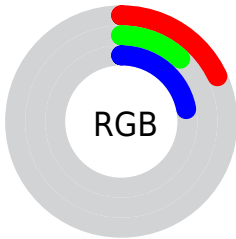
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 31, 57
Decimal	2957113
CIELab	14.59, 13.01, -14.32
CIElCh	15, 19.342, 312.255
Yxy	1.8333, 0.2802, 0.2223
Android (android.graphics.Color)	4281147193 (0xFF2D1F39)
YUV	38.1500, 9.2931, 6.0075
Hunter-Lab	13.5398, 6.7679, -8.4887

# Details

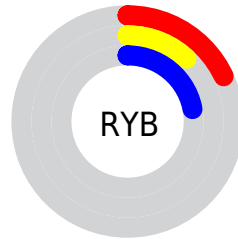
The Hex color **2D1F39** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **2B391F**, and the grayscale version is **262626**.

A 20% lighter version of the original color is **5B4B68**, and **00000C** is the 20% darker color. If you saturate the color by 10%, you get **2A1939**, and if you desaturate by 10%, it is **302539**.

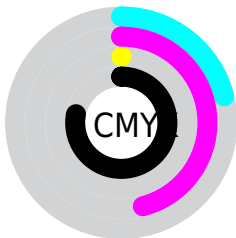
# Distribution



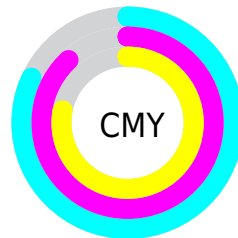
- Red (18%)
- Green (12%)
- Blue (22%)



- Red (18%)
- Yellow (12%)
- Blue (22%)



- Cyan (21%)
- Magenta (46%)
- Yellow (0%)
- Black (78%)



- Cyan (82%)
- Magenta (88%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D1F39 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 2D1F39 by changing the saturation by 10% instead.



■ 2D1F39

■ 2D1F39

FFFFFF

■ 190823

■ 5B4B68

■ 00000C

■ 746381

■ 000000

■ 8E7C9B

■ A896B6

■ C4B1D2

■ E0CCEE

■ FCE8FF

■ 2D1F39

■ 2D1F39

■ 2A1939

■ 302539

■ 281439

■ 322A39

■ 250E39

■ 353039

■ 220839

■ 383639

■ 200239

■ 3A3C39

■ 1F0039

■ 3D4139

■ 3F4739

■ 424D39

■ 455239

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



17243F



2D1F39



3A1A2D

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



2D1F39



342108



002C2A

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



2D1F39



2B391F

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



032B1C



2D1F39



282606

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



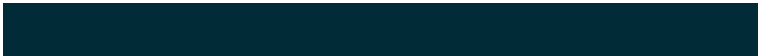
2D1F39



3C1C13



18290F



002B37

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



2D1F39



3D1924



18290F



002C25



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



2D1F39



45404A



1F2B39



232026



A6A6A6



262626



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



2D1F39



37214A



391F38



1B191C



31005C



7600DB



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



391F2B



4A2134



1F3920



1C191B



5C002A

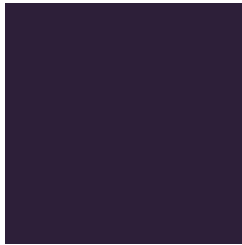


DB0065



# Previews

## White Background



This preview shows how the Hex color 2D1F39 looks on a white background.

## Color Contrast Check

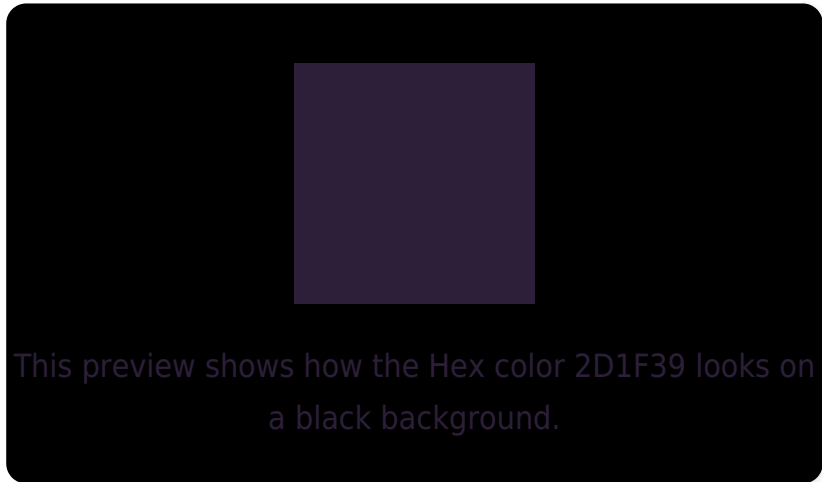
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

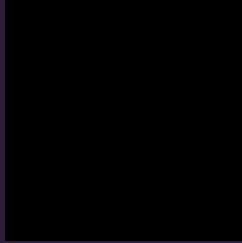
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2D1F39 Background



This preview shows how black text looks on a background with the Hex color 2D1F39.



This preview shows how white text looks on a background with the Hex color 2D1F39.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).


## Dichromacy



**Original Color**  
2D1F39

**Protanopia**  
1B243E

**Deuteranopia**  
1C2538



**Tritanopia**  
2A2326

# Trichromacy



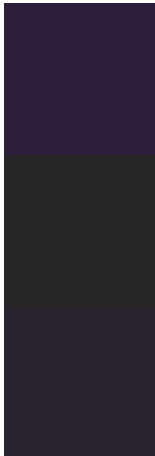
**Original Color**  
2D1F39

**Protanomaly**  
22223C

**Deuteranomaly**  
222338

**Tritanomaly**  
2B222D

# Monochromacy



**Original Color**  
2D1F39

**Achromatopsia**  
262626

**Achromatomaly**  
29232D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D1F39 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #2D1F39 looks like.

```
.text, #text, p{  
    color:#2D1F39  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #2D1F39 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D1F39
}
```

## Border

The CSS property to change the border of an element to Hex 2D1F39 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2D1F39 }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#2D1F39 }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #2D1F39 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D1F39; -webkit-box-shadow:4px 4px  
4px 4px #2D1F39; box-shadow:4px 4px 4px  
4px #2D1F39 }
```

# Background

The CSS property to change the background color of an element to Hex 2D1F39 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D1F39 }
```

If only the background color should be changed can be used:

```
.background{ background-color:#2D1F39 }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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